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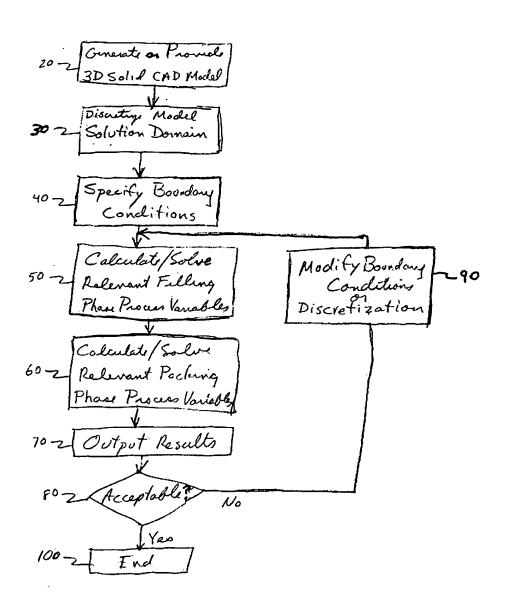


FIG. 3A & FIG. 3B

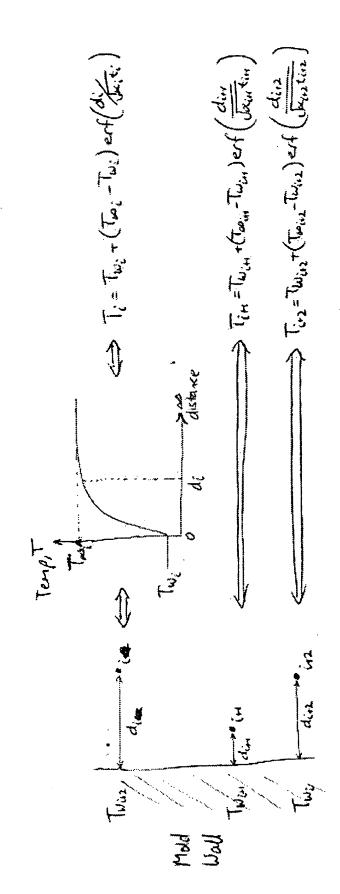
Mold wall

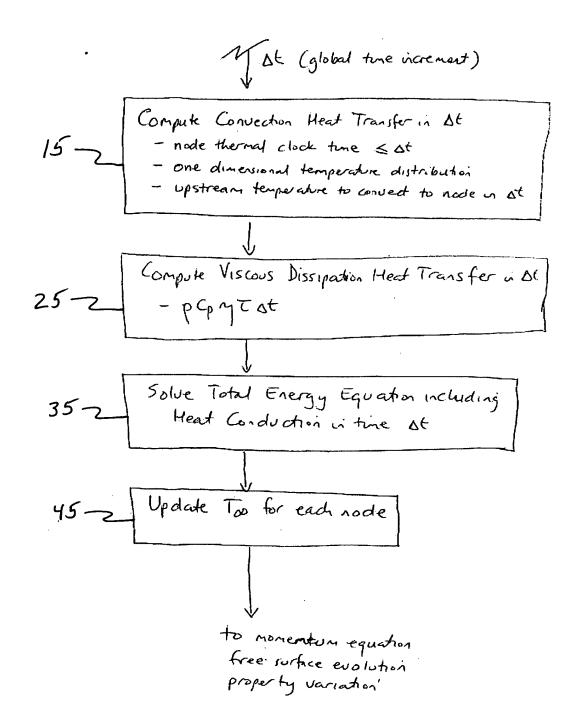
Interior
Point

Tenp.

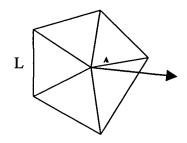
If II Wall take I to take that that one own or there are then or are the

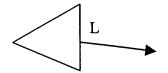
FIG. 4

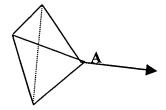












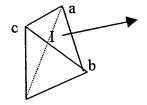
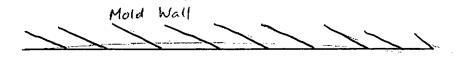
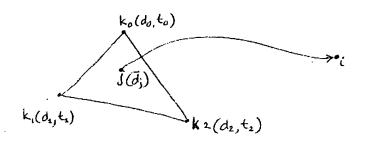


FIG 10A & 10B



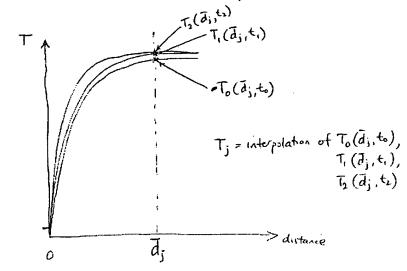


i= target node j= upstream point

ko, ki, kz = nodes of element containing the upstream point

(do, to)(d1, t1)(d2, t2) are the distance to the wall and node themal clock times for each upstream node respectively

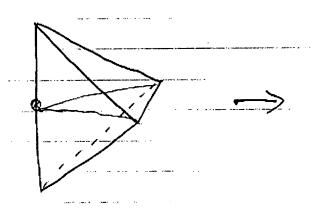
d; = interpolated distance to the wall of the upstream point.



For	a face with	one edge re	fined:	\triangle	
For when	a face with	two edges	refined:		
For	a face with	all three	edges refin	ed 	

Template for splitting a tet on:

| edge :



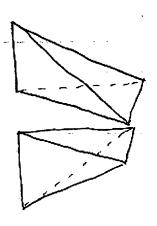


FIG. 13A

· Template for splitting a tet on

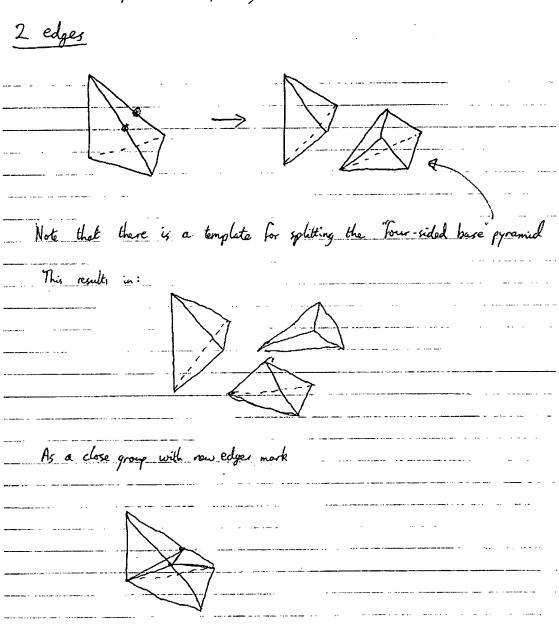
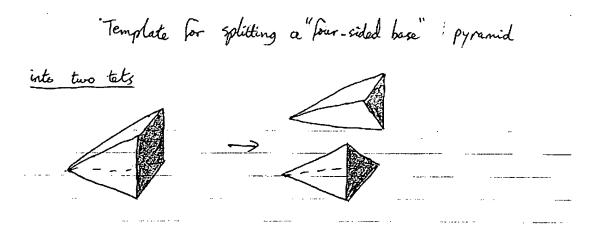
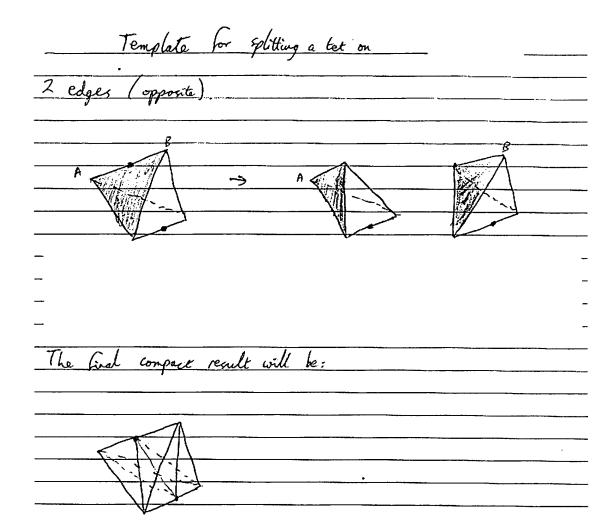


FIG. 13B





Template for	splitting a	tet	on I
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3 edges (shored have)

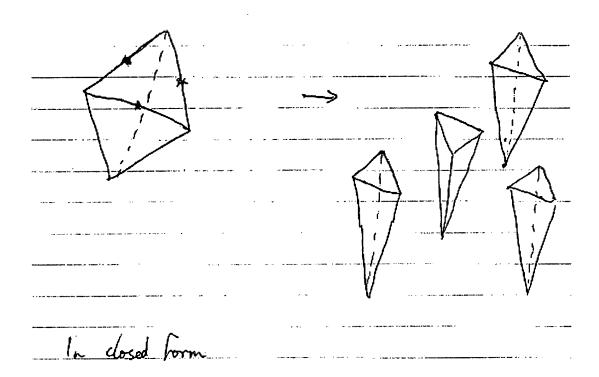
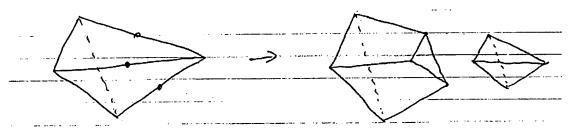


FIG. 14B

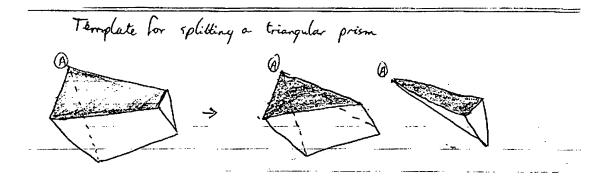
Template for splitting a tet on:

3 edges (non-shared face)



The final regult will be:

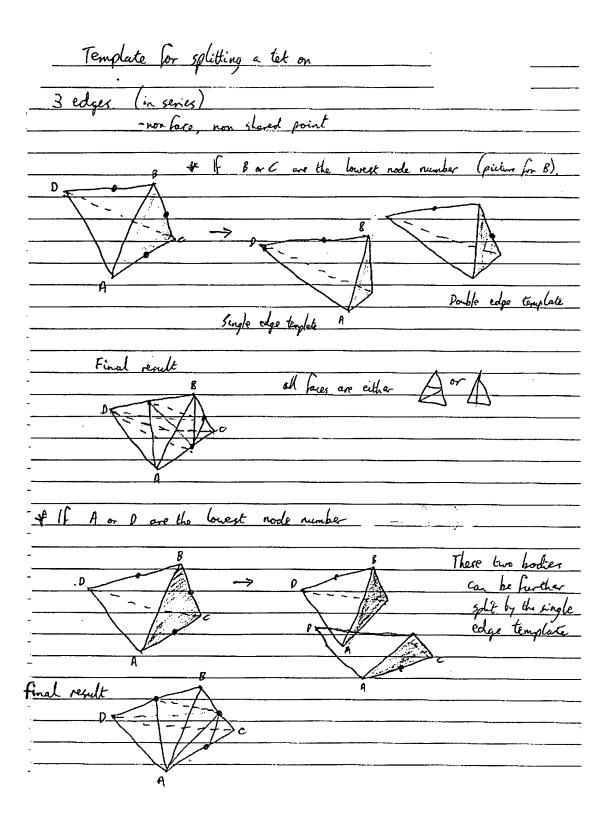
FIG. 14C



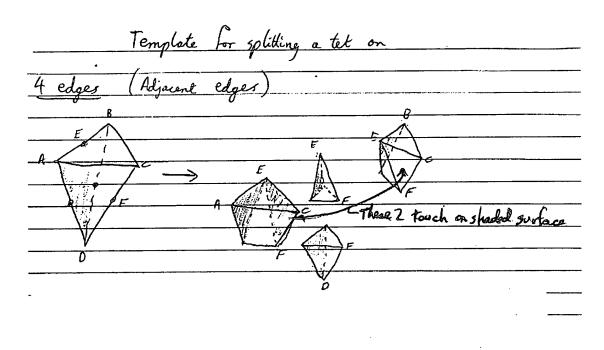
Therefore the final result would be:

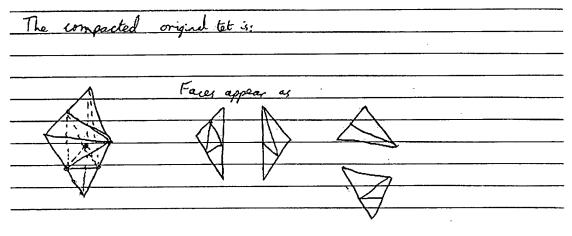
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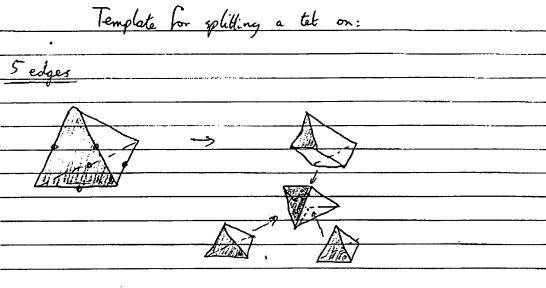
FIG. 14D



Template for splitting a let on 4 edges (Opposite edges)	
The eventual split body in close form	
The pattern on each original trice	angular force is:







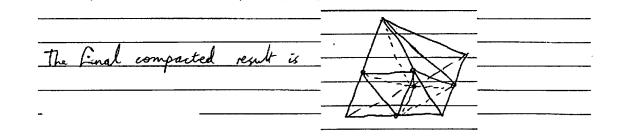


FIG. 17

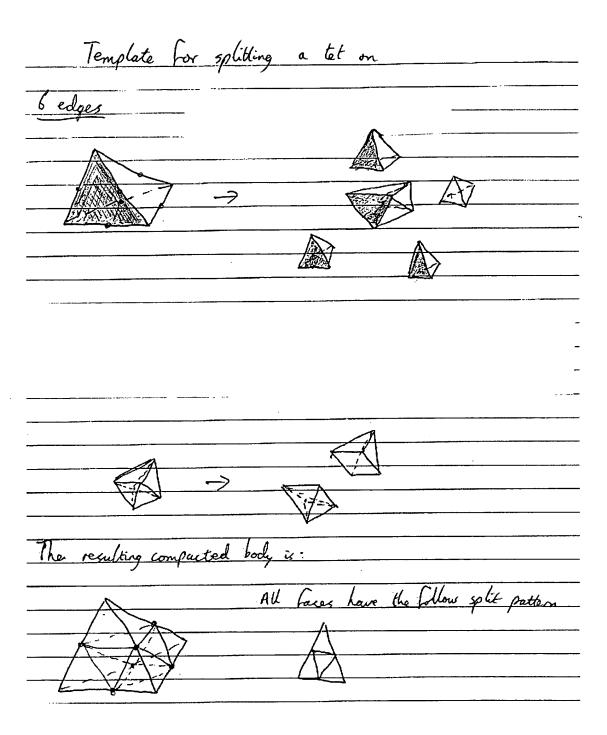
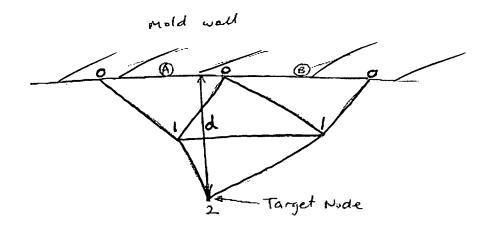
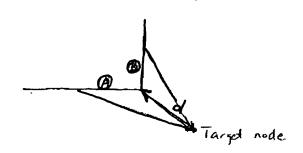
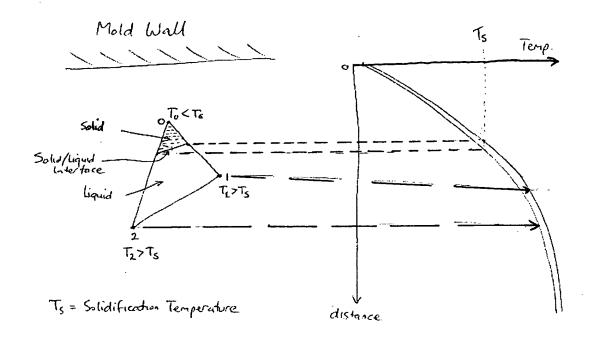
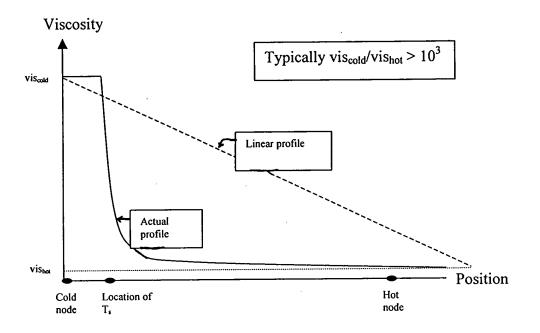


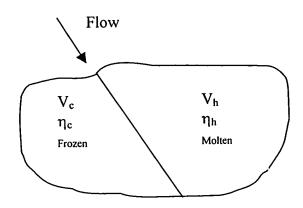
FIG. 18A & 18B











Nodal volume $V_t = V_c + V_h$

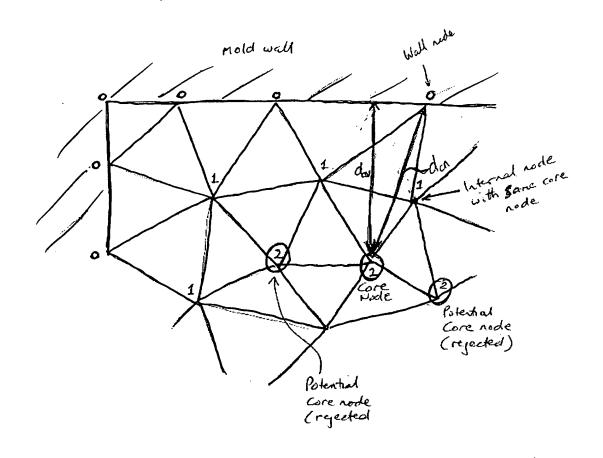


FIG. 23A, 23B, 23C

